

SECRET

NPIC/TSSG/DED-1539-69
19 March 1969

MEMORANDUM FOR THE RECORD

SUBJECT: Monitor Trip in Regard to the High Precision Stereo Comparator Program, NPIC Project #11038

25X1 1. [] of TSSG visited []
25X1 [] on 12 and 13 March 1969 to monitor
25X1 contract [] the High Precision Stereo Comparator program.

25X1 2. [] requested permission to deliver the Operating and Maintenance Manuals plus the Spare Parts list in November 1969 instead of May 1969. This request was granted since there will not be a use for these items until February 1970. Attachment A includes the new delivery dates for the items on this program and reflects the slippage resulting in the optical system, which is the critical path item for the entire program. This slipping of schedule was reported earlier in the December 1968 and January 1969 Monthly Reports.

25X1 3. No major problems have surfaced since the last monitor visit. [] is experiencing some trouble with the vacuum hold down. The small lip (for air evacuation) along each edge of the film has to be less than 3 millimeters to allow the objective lens to clear. The unprocessed film [] was using as test material curled about 1/2 inch at the edges and, therefore, did not make contact with the small lip and prevented vacuum pull down. [] has been experimenting with various methods to make the film contact the lip. The technical monitor asked [] to hold-up on this until NPIC could provide some 2,420 or 2,430 four mil film. It seems doubtful that the curling will be as great in this operational type film.

25X1 4. [] is starting to compile the recommended Spare Parts List. Indications are that this will be a very extensive and probably costly item. Beside the usual items such as printed circuit cards, lamps, power supplies, and motors; the list will include such expensive items as an image dissector, a laser, an optically flat mirrors for the interferometer, a glass platen, and a condenser. While some of these items such as the glass platen do not wear out, accidental breakage would put the instrument out of operation for up to a year while the platen is replaced. The glass platens are striation and bubble free and the thickness and index were used in the computations for the optical system and would therefore be difficult to replace. The 20 inch mirror for the

SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification

SECRET

SUBJECT: Monitor Trip in Regard to the High Precision Stereo Comparator Programs, NPIC Project #11038

interferometer arrangement and the condenser for the high intensity light source are also long lead time items in case of replacement.

5. [] asked if NPIC had a policy on maintenance contracts. If we intend to get a service policy with [] for quarterly maintenance, [] intends to build up their optical capability by having their technician go to [] during the testing and disassembling of the instrument for shipping to []. If we do not intend to go this route [] will have the [] technicians take care of assembling and disassembling in []. [] suggested that NPIC also study the feasibility of getting a service contract with [] for the 516 computer. [] Project Manager, will be in Washington, D.C. on 20 March 1969 and arrangements have been made for him to meet with Mr. [] of TSSG/ESD/MB to discuss these items.

6. [] will be at [] on 19 March to monitor the correlation subcontract and will visit [] on the morning of the 20th of March to review the plans for the clean room site. [] next monitor visit to [] will be the week of 14 April 1969.

TSSG/DED/R&DB-II

Distribution:

Orig - Rt & File

✓ 3 - DED Chronos

NPIC/TSSG/DED/R&DB-II, [] (19 Mar 69)

SECRET